

Photoluminescence of Sublimate Phosphor of Silver
Iodide, by E. V. Shalimova, N. S. Mendakov, 10 pp.

RUSSIAN, ⁹ thrice per, Dok Ak Nauk SSSR, Vol
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CIA/FDD/X-1377

PHYSICS

Scientific - Chemistry
CTG/DEK

OTS 77-62-28159 (RUSSIAN & FOREIGN) 12 723

Re The Infrared Emission of the Night Sky and the
Aurora, by B. A. Pagarisckiy, V. I. Krasovskiy,
M. I. Mordukhovich, 3 pp, UNCLASSIFIED

RUSSIAN, thrice-mo. per. Dok Ak Nauk, SSSR, Vol LXXXII,
No 4, 1952, pp 579-580

CIA/FDD/X1351
Def Sci Info Ser
T 121 R

Scientific - Astronomy

CIA 2.311729

10,995

Lu Man 54/1312

Korshak, V. V., Chelnokova, G. N. and Distler, G. I.
DE L'IMPORTANCE DES REACTIONS D'ECHANGE
DANS LA POLYCONDENSATION (Role of Exchange
Reaction in the Polycondensation Process). 5p. 5 refs.
CNRS-VIII bis 275.
Order from OTS, ETC or CNRS \$1.10 TT-62-26717

Trans. in French of Akademiya Nauk SSSR: Doklady,
1952, v. 82, no. 4, p. 589-591.
Another trans. is available in English from OTS,
SLA or ETC as TT-63-18667 [1963] 6p.

DESCRIPTORS: Exchange reactions, *Condensation
reactions, Polymers, Carbon compounds, *X-ray
diffraction analysis.

(Chemistry--Organic, TT. v. 11, no. 11)

TT- 62-26717

- I. Korshak, V. V.
- II. Chelnokova, G. N.
- III. Distler, G. I.
- IV. CNRS-VIII bis 275
- V. Centre National de la
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E

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Full translation.
Type of Diagram of the Crystallization of Double-
Component Peritectic Solid Solution, by V. M. Kravchenko.

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pp 597-600.

AEC Tr 1422

USSR

Scientific - Chemistry, crystallization, peritectic

Nov 52 CTS/DEX

Reaction Between Ammonia and Oleic Acid
Oxide, by G. V. Pigulevskiy and I. L.
Kuranova.

RUSSIAN, per, Doklady Akad Nauk SSSR,
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NLL RTS 2656 (On Loan or Purchase)

OTS 44-23511

Aug 65

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Effect of the Intramolecular Hydrogen Bond on the
Color of Indeaniline Dyes of α -Naphthol Derivatives,
by B. S. Portnaya, I. I. Levkoyev, N. S. Spasokukotsky,
4 pp.

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1952

CIA/FDD X-2787

SLA R-2319
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Sci - Phys
Mar 58

Effect of Ultrasonic Waves on Purine and Pyrimidine
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LXXXII, No 4, Feb 1952, pp 611-614.

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Scientific - Medicine, cancer research, chemistry

Oct 53 CTS 4886

Biosynthesis of Anserine, by N. A. Yudaev.

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pp 615-617.

Nova Scotia No 213

QSSR

Scientific - Medicine, biochemistry

Aug 53 CTS

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On the Question of Determination of the Origin
of Beryl, by M. D. Dorfman, 5 pp.

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Vol LXXXII, No 4, 1952, pp 623-624.

SIA R-1212

May 58

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Some Results On the Maximum Discrepancy Between
Two Empirical Distributions, by B. V. Gnedenko, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXII,
No 5, 1952, pp 661-663.

Sci Tr Center RT-339

Scientific - Mathematics

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On the Depth of Secondary Electron Emission, by
M. M. Volynskiy, 7 pp. UNCLASSIFIED

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
~~LXXXII~~ LXXXII, No 5, 1952, pp 705-708.

RT-4050

Air Res and Dev Command
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T-261-RU

Scientific - Physics

Jun 54 CTS/DEX

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Duration of the Excited State of Some Phosphors, by
K. V. Shalimova, T. P. Belikova, 7 pp.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~Vol LXXXI~~ Vol LXXXII,
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HEL 11/2/5
CIA/FDD/X-968

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Scientific - Physics

P 2111 11/2/5
CTS/DEX

3826

Change of Fluorescence Spectrum of Magnesium
Phthalocyanin and Chlorophyll as a Result of a
Dark Reaction, by V. F. Gachkovskiy, x 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXII, 1952, pp 739-742.

SLA R-1258

May 58

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A New Method of Investigating the Ion Spectrum in
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Scientific - Geophysics

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Jul 54 CTS

Crystal Structure of the Higher Oxides of
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G. S. Zhdanov, Z. V. Zvonkova, 7 pp.
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AEC ORNL tr-895

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Sci - Materials
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On the Determination of the Surface Tension of
Substances at the Fusion Point, by Y. I. Smirnova,
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Coop Trans Scheme Tr 226
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Sci - Physics

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Directed Valences for Coordination Numbers 6 and 8,
by M. G. Shirmazan, M. E. Dyatkina, 3 pp.

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No 5, 1952, pp 755, 756.

36,083
Sci Tr Center
RT-3740

Scientific - Mathematics

Jun 56/dex

New Data on the Deposition of Crystalline
Substance on the Walls of a Liquid Inclusion,
by G. G. Lemmlein & M. O. Kliya.
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pp 763-768.
AEC-WAPD-Trans-80

P911043268

Sci/Ear Sci
Apr 68

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Formation of Active Reducing Compounds Surviving
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Krasnovski, L. M. Kosobutskaya, 9 pp.
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Full translation. RT-2093

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AEC Tr 2034

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Scientific - Chemistry Jun 53 CTS/DEX

New Data on the Deposition of Crystal Substance
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SLA R-1203

May 58

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178/60

(SF-1047)

The Abrasion Index of Rubber and Its Connectio
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6 pp.

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JPRS 4051

Sci - Chem
Oct 60

128,430

V
Action of Fertilizer on the Photosynthetic Activity
of Phytoplankton in a Water Reservoir, by S. S.
Baslavskaya, O. I. Koblents-Mishke, L. A. Udalcova,
E. A. Chistyakova, 6 pp. UNCLASSIFIED.

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Scientific - Biology

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On the Empirical Distribution Function in the Case of
Grouping of the Data, Expx by I. I. Gikhman, 8 pp.

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Sci Tr Center RT-338

Scientific - Mathematics

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On the Distribution of the Number of Excesses of One
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B. V. Gnedenko, V. S. Mikhalevich, 6 pp.

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Sci Tr Center RT-337

Scientific - Mathematics

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Heat Conduction in a Non-Uniform Rod, by A. B. Datsev, 8 pp.

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RT-1759

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Scientific - Physics

Dec 54 (TS/DEX)

Concerning the Origin of Heavy Fragments of High
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Scientific - Nuclear Physics

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On the Thermal and Thermoelectric Properties of
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Navy Tr 3221/ARL 907
OTS TT-62-11752

Sci - Min/Metals

Sep 62

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7111 E51 N120

An Isomorphic Series of Double Oxides A_2BO_5 With a Structure of the Anosovite Type, by G. S. Zhdanov, A. A. Rusakov, 6 pp.

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Sci - Chemistry, physics

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The Hemic Acid of Estuarine Mud and Its Biological Activity, by V. A. Biber, N. S. Bogolyubova.

Full translation.

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CTS No 16

Fr. (45.03)

USSR

Scientific - Biology

Jun 53 CTS

[Cooperative Translation Scheme]

2700

Investigation of Protein Surface Films Absorbing
Hydrophobic Substances, by G. A. Bobova, A. B.
Gorbacheva, 7 pp.

Full translation.

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CIA/PDD/X-985

N.L.L. 11.1.100

Scientific - Chemistry Aug 53 CTS/DEX

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V
Preparations of Phycocerythrin From Red Algae and Its
Spectroscopic and Photochemical Properties, by
A. A. Krasnovskiy, et al, 4 pp.

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Sci Tr Center
RT - 3717

Sci - Chemistry

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Aug 1956

Correlation of Lower Permian Deposits by Chemical
Elements as Determined by Spectroscopic Analysis,
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Assoc Tech Sv RJ-737
\$5.95

Sci - Chemistry
Aug 57

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A New Type of a Gas Thermometer and the Determination
of the Boiling Point of Hydrogen, by A. A.
Borovik-Romanov, P. G. Strelkov, 6 pp.

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pp 59-61.

AEC Tr 3233

Sci - Physics
Jun 58

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Zeldovich, Ya.
POLARISATION DES QUANTA Y LORS DE LA DISPERSION DE COMPTON DE 180° (On the Polarization of Gamma Quanta in Compton Scattering at 180°). 8p.
6 refs. CNRS-X 228.
Order from OTS, ETC or CNRS \$0.80 TT-62-28118

Trans. in French of Akademiya Nauk SSSR, Doklady, 1952, v.83, no.1, p.63-66.

DESCRIPTORS: *Quantum mechanics, Energy, Polarization, *Electrons, Theory, *Spin. Compton scattering, Gamma rays.

TT-62-28118

I. Zeldovich, Ya.
II. CNRS-X 228
III. Centre National de la Recherche Scientifique, Paris

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(Physics--Theoretical, TT, v. 11, no. 6)

The Scattering of X-rays at Small Angles and the
Porous Structure of Active Carbons, by V. I.
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Sci -
Chem

7462

Isomerization of Methylcyclopentane Under Pressure
in the Presence of Aluminum Chloride, by M. G.
Gonilberg, A. F. Plate, A. E. Gavrilova.

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LXXXIII, No 1, 1952, pp 81-83.

Assoc Tech Svc
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RJ-157

SLA R-1952

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Scientific - Chemistry

Reaction of Cyclohexene With Dilute Nitric Acid,
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII,
1953, pp 83-85.

~~*00/C per memo 14 Oct 60~~

Sci - Chem

ATS 10M4/R

Oct 60

TT-62-28732

Kuz'minskii, A.S. and Lezhnev, N.N.
INFLUENCE MUTUELLE DE LA PHENYL-NAPHTHYL-
AMINE, DU SOUFRE ET DES ACCELERATEURS DE
VULCANISATION SUR L'OXYDATION DU CAOUT-
CHOUC (O Sovmestnom Vliyani Fenil-B-Naftilamina,
Sery i Uskoritelei Vulkanizatsii na Okislenie
Kauchuka) (Simultaneous Effects of Phenyl-B-Naphthyl-
amine, Sulfur and Vulcanization Accelerators on the
Oxidation of Rubber). 11p. (foreign text included)
5 refs. CNRS-VI 117.
Order from OTS, ETC or CNRS \$1.60 TT-62-28732

Trans. in French of Akademiya Nauk SSSR, Doklady,
1952, v.83, no.1, p.111-114.

DESCRIPTORS: *Rubber, *Oxidation, Sulfur,
Vulcanization, Antioxidants, Acceleration.

(Materials--Rubber, TT, v. 11, no. 8)

I. Kuz'minskii, A.S.
II. Lezhnev, N.N.
III. CNRS-VI 117
IV. Centre National de la Recherche
Scientifique, Paris

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Liberation of Hydrogen on an Iron Electrode in Alkali
Solutions at High Pressures, by S. Levina, and A.
Orlov, 2 pp. UNCLASSIFIED

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RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVIII, No 1,
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Sci. Rep. 115-4/10348
Navy Tr 630/NBL 397

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Scientific - Chemistry

Jul 52 CTS

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Sci. Rep. 115-4/10348

The Influence of Oxidation on the Biological Activity
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Central Experiment Sta,
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Sci - Chem

May 59

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Butcher Tr No 2860

Scientific - Min/Metals

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4 pp.

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SLA Tr R-1261

Sci

Jun 58

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Sci Trans Center RT-837

Scientific - Mathematics
CTS/DHX

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Molecular Scattering of Light in Liquids, by G. P. Motulevich, I. L. Fabelinskiy, 9 pp.

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CIA/FDD/X-964

Sci

NLL M. 2854

3820

On the Influence of the Quenching Temperature
Upon the Quantity of Retained Austenite in Steel, by
V. D. Sadovskiy, G. N. GIG Bogacheva,

RUSSIAN, thrice-no per, BY Dok Ak Nauk SSSR,
Vol LXXIII, No 2, 1952, pp 221-222

Brutcher Tech Tr No 2885

Scientific - Min/Metals

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Crystal Structure of $\text{MnCl}_2 \cdot 2\text{H}_2\text{O}$, by B. K.
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Vol LXXIII, No 2, 1952, pp 227-230.

Sci Tr Center
RT-4071

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Sci -- Chemistry
Oct 1956 CTE/dex

The Influence of Complex-Formation, Ionization,
and Isomerization of Organic Substances on their
Chemical Activity during Nitration; the Synthesis of
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AEC MP-Tr-539

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Sci - Min/Met
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Step-like Character of Denaturation of the Protein
Molecule, by V. A. Delitsker, A. S. Tsyperovich,
V. pp.

Full translation.

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NLL 01.25.52
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Scientific - Chemistry Aug 53 CTB/DEX

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Characteristics of Slags Obtained in the Production
of Ferromanganese Phosphorus in the Blast Furnace, by
L. Zagynskii

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Butcher Order No 3042
Price \$2.65

Scientific - Minerals/Metals Jun 53 CTS

2243

2000, by G. T. Casero, H. A. Casero.

RUSSEAN, per, Dok Ak Nauk SSSR, Vol LXVIII, 11 Mar
1952, pp 311-314. 517 PER-A

USDA Trunc 299

US3A

Economic - Agriculture, kok-sagyz (rubber)
Scientific - Biology, kok-sagyz (rubber)

Scientific - Biology, kok-sagyz (rubber)

The State of Water in Plants, by M. M. Okuntsov, E. N. Tarasova, 3 pp.

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SIA Tr R-1262

Sci

Jun 58

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No 3, 1952, pp 353-355.

Sci Tr Center, RF-787

Scientific - Mathematics

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Navy Tr 813/BaShips 530

Scientific - Engineering

Aug 53 CTS

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On the Behavior of Superconducting Films in the
Magnetic Field, by V. L. Ginzburg, 4 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIII, No 3,
1952, pp 385-388. *650630250*

Navy Tr 788/NRL 439

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Scientific - Physics

Jul. 53 CTS

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Spectroanalysis of Phosphorus in Steel, by
E. S. Kudelya, A. S. Iden'yanchuk,

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Price: \$1.80

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Scientific - Chemistry, Min/Metals

Jun 55 CTS

(SF-1043)

The Principle of Static Friction, by S. B.
Ratner, 6 pp.

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No 3, 1952, pp 443-446.

JPRS 4064

Sci - Electron

Oct 60

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The Change of Coordination Number on the
Melting of Metals, by O. Ya. Samoylov, 5 pp.

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AEC Tr 2318

RT-3300

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Sci - Minerals/Metals

Dependence of absorption of Radiant Energy
by Leaves on Photosynthesis, by L. Bell,
5 pp.

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SLA R-1263
SLA 60-15935

May 58

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Chlorophyll Content in Buds of Woody Plants in
Winter and Spring, by T. N. Golnev, M. V.
Terent'eva, 3 pp.

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SIA R-1264

May 58

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The Thermal Inertia of Leaves, by V. G. Karmanov,
4 pp.

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pp 485-487.

SLA Tr R-1265

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Jun 58

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Document, by D. M. Binos, 28 pp.

RUSSIAN, per, Dok Ak Name RSR, Vol. 1, No. 4,
1952, pp 541-544.

AMU 279

Sci - Phys

Oct 59

SLA 59-2302
SER LLU (man) 11534
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The Application of the Redoximetric Method in Analytical
Interferometry, by G. S. Gorelik

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Ex. 10
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Scientific - Chemistry

List No 49, Apr 1953

Ex. 10
T-1347
1087
Ft Delrain

An Investigation of Oscillations Which Are Very Small
Compared with the Wavelength of Light by Means of the
Harmonic Analysis of a Modulated Interference Pattern,
by I. Ya. Brusin et al.

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No 4, pp 553-556.

L. A. Brusin et al.
D.S.I.R. Tr No T.C.L. 47

Scientific - Chemistry

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List No 49, Apr 1953

Cosmic Electrons as a Source of the Radio Emission
of a Galaxy, by G. G. Getmantsev.

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Sci Trans Lib- 55/2769

Scientific - Astronomy

$\pm 1.12s.(4s.Od.)$

~~Excluded from Circulation~~

Apr 54 CTS

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Sensitizing Bacteria by Beta Rays to Action of High
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Apr 1952, pp 565-568. CIA 9018810

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Sci - Med

May 58

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On the Stabilization of Austenite With Respect to
the Martensite Transformation, by G. N. Bogacheva,
V. D. Sačovskii.

RUSSIAN, no pen, Dok Ak Nauk SSSR, Vol LXXIII, No 4,
1952, pp 569-572.

Bratcher Trans No 2905

Scientific - Metallurgy, steel, austenite, martensite,
alloys

Solubility of Liquid Ammonia in Compressed
Nitrogen at Pressures Up to 4000 Atmosphere,
by D. S. Tsiklis, 7 pp.

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Vol LXXIII, No 4, 1952, pp 585-588.

Sci Tr Center RT-2454

Scientific - Chemistry
Dec 55 CTS/DEX

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Chain Mechanism of Decomposition of H_2O_2 : The
Existence of the EO_2 Radical and the Higher
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DESCRIPTORS: *Mineral oils, Fluid filters.

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